

ABSTRACT

A detector of a rotation angle and torque is disclosed. First gear (1) and second gear (2) are coupled to input shaft (4) and output shaft (6) of a torsion-bar unit respectively. First magnet (20a) magnetized in a radius direction is rigidly mounted to first rotor (10) engaging with first gear (1). Second magnet (20b) magnetized in a radius direction is rigidly mounted to second rotor (16) engaging with second gear (3). Circuit board (15) is placed between first rotor (10) and second rotor (16). Circuit board (15) includes first magnetism detecting element (21a) on its first face confronting the first magnet (20a), and also includes second magnetism detecting element (21b) on its second face confronting the second magnet (20b).